

BEYOND LAND CONSERVATION: CONSERVATION EASEMENTS AS A TOOL FOR WATER



Conservation Easements have long recognized that water rights support numerous public benefits

- Wildlife Habitat
- Ecosystem Function
- Food Production
- Rural Economy and Heritage

Traditional restrictions said that water rights cannot be leased or sold (must continue historic use).



Conservation easement

Voluntary legal agreement on a specific property between a private landowner and a land trust or other holder that restricts or prohibits certain uses of a property and its water rights in order protect the property's conservation values forever.

$$\text{Before Value} - \text{After Value} = \text{Conservation Easement Value}$$

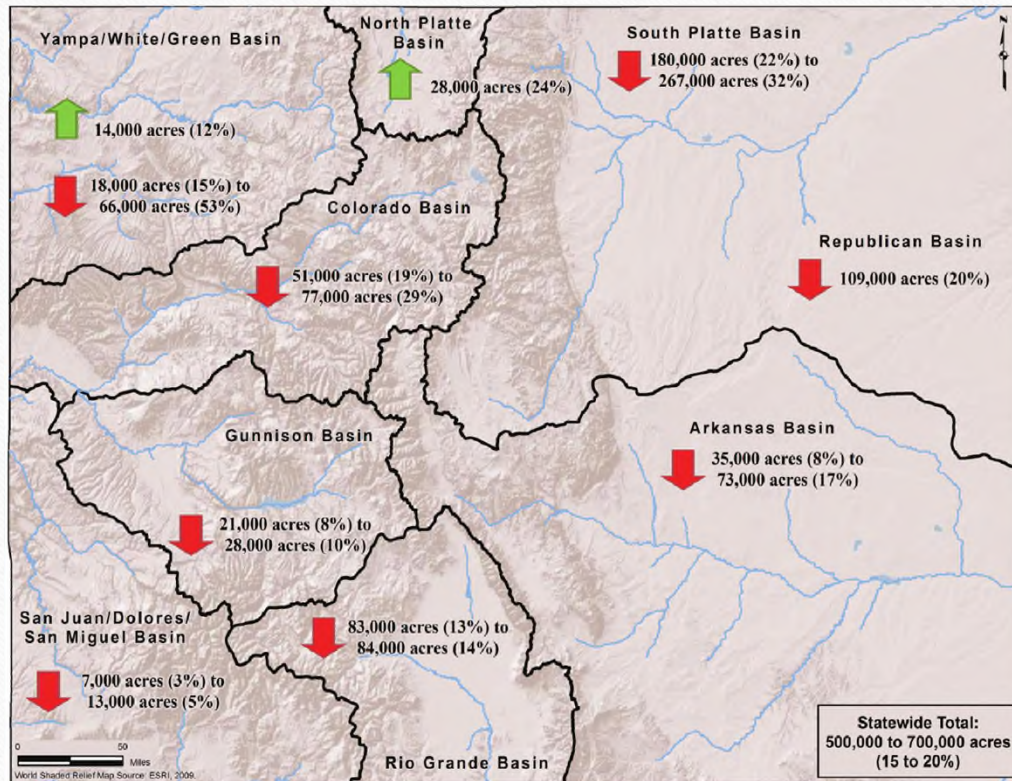
Before value involves a determination of highest and best use of the property; uses adjusted comparable sales data (what would someone pay for this land and water today?)

After value is based on impact of the conservation easement restrictions on the highest and best use; uses sales of comparable conservation easement encumbered properties (how do the restrictions impact the marketability?)

Land and water are often valued together, but a separate valuation of water rights may be conducted in places where there is an active water market.

Reimagining conservation easements to address Colorado's water challenges





Conversion from agriculture to urban use = 230,000+ acres

Groundwater sustainability =

Republican Basin upwards of 135,420+ acres

Rio Grande Basin 81,000+ acres

Reducing Buy and Dry: Coupling Conservation Easements and ATMs

Why think about these tools together?

1) Easements provide certainty to all parties

- Municipality: Secure source of leased water (cannot be purchased by competitor)
- Farmer: Diversification of income with certainty for ditch that water will never be sold

2) Brings additional resources to the table

3) Allows protections to be built into the CE for natural resources (e.g. soil)

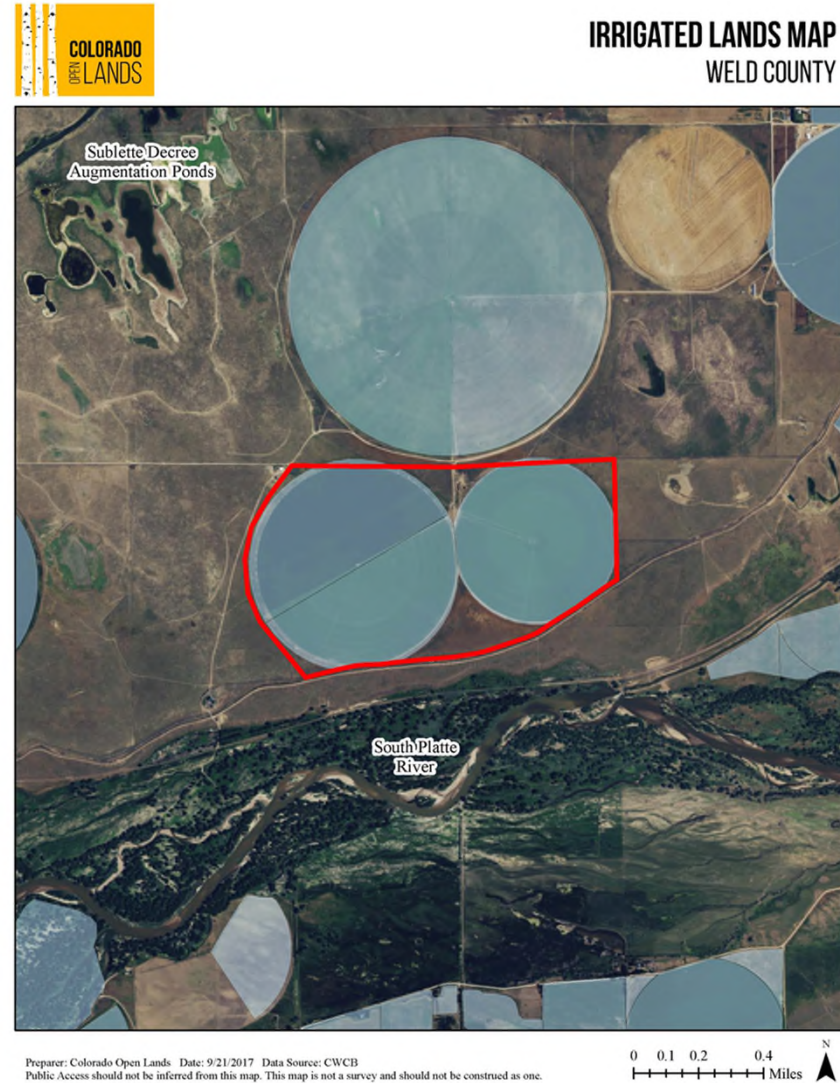
Example

400-acre farm in Eastern
Weld County

Farm value (largely water
rights): \$3.8M

Conservation Easement
value: \$1.4M

CE ensures that water can
never be sold, but allows for
leasing

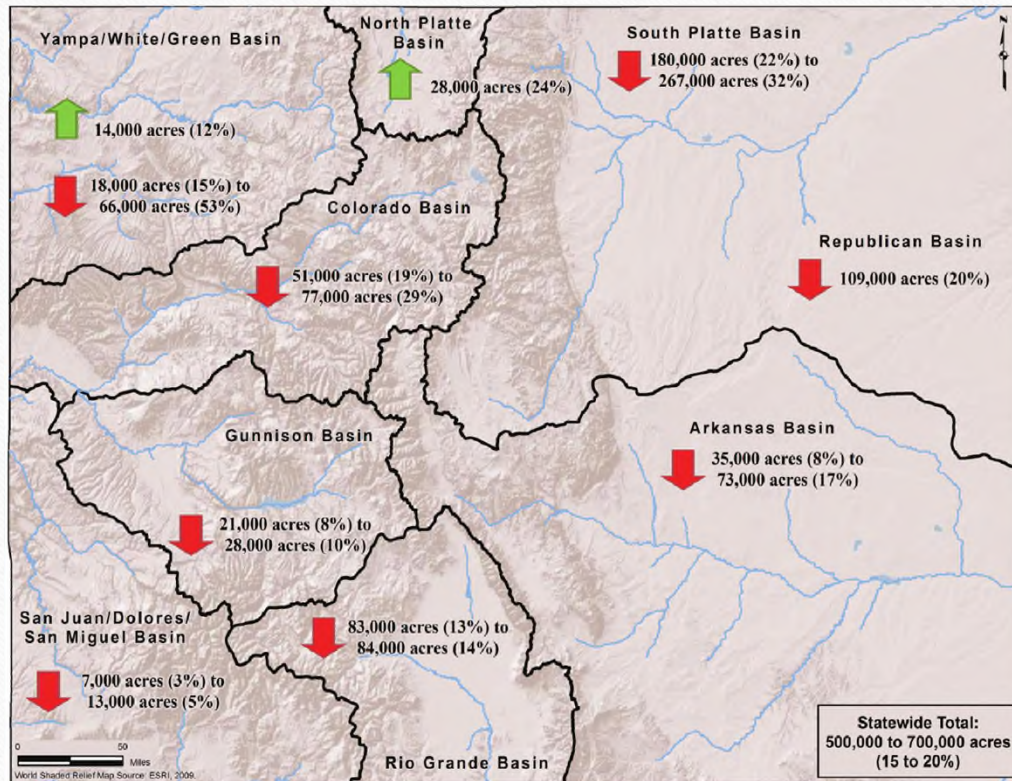




Water Conservation Board

COL raised \$1.3 Million
(\$850,000 for easement purchase
and \$450,000 for ATM process,
including landowner legal costs)

Farmer is in final stages of lease
agreement with city



**Conversion from agriculture
to urban use = 230,000+ acres**

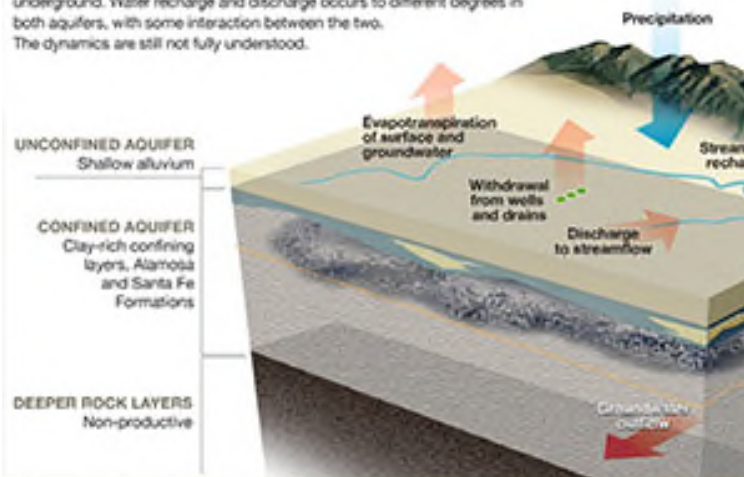
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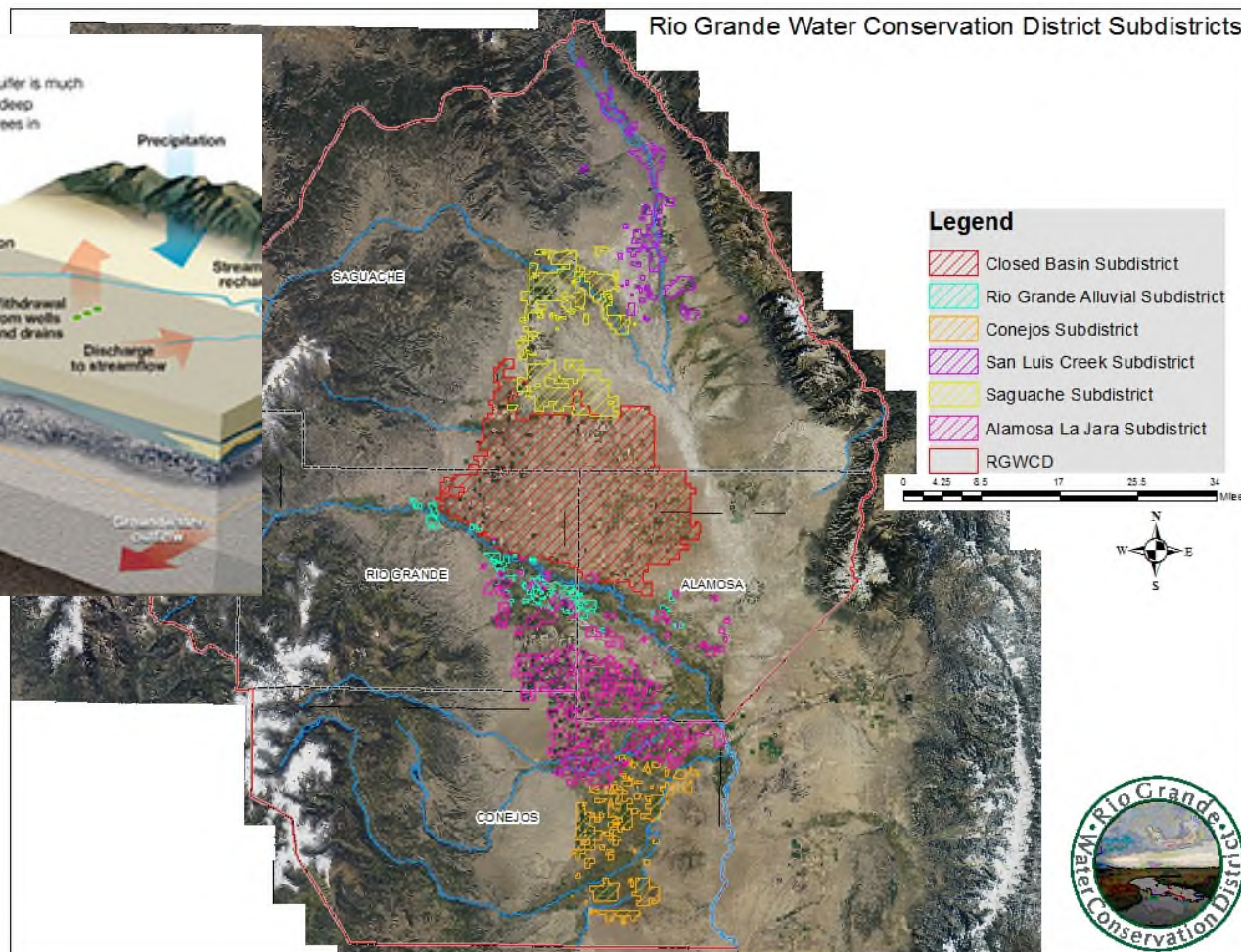
Rio Grande Basin 81,000+
acres

SAN LUIS VALLEY AQUIFER DYNAMICS

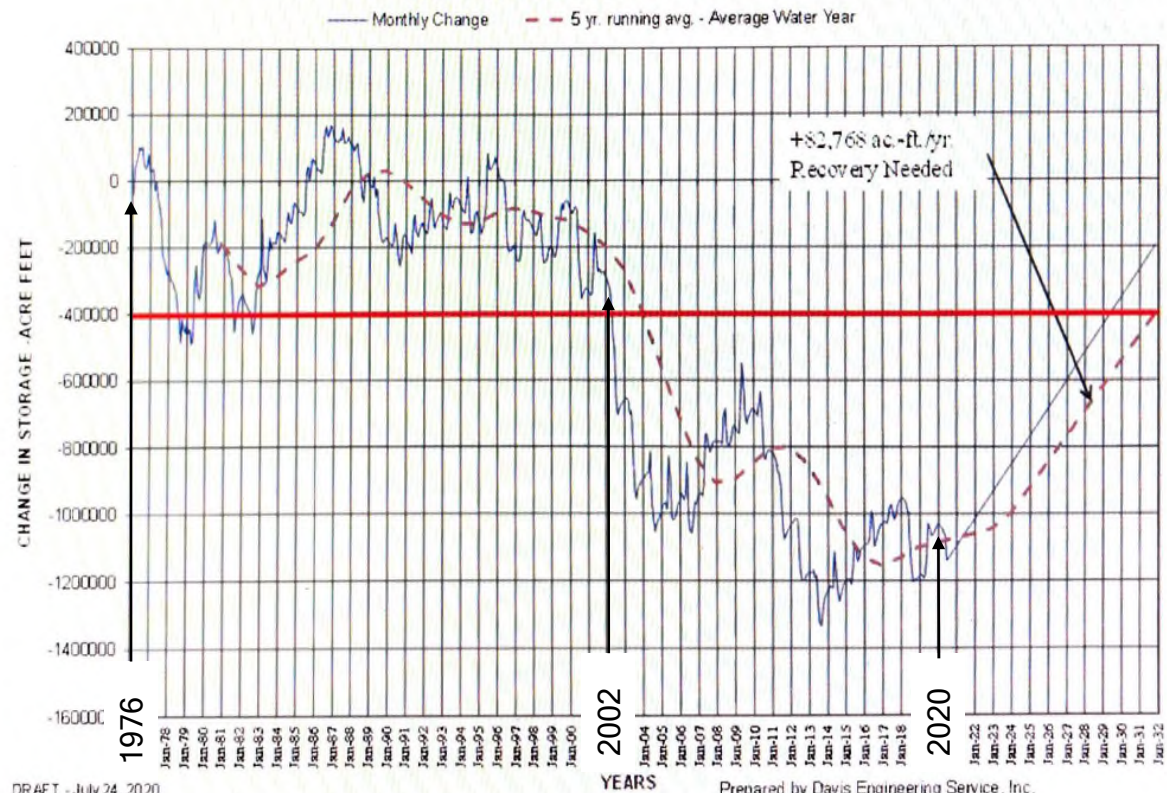
Two stacked aquifers lie beneath the valley floor. The unconfined aquifer is much shallower, while the confined aquifer is trapped between clay layers deep underground. Water recharge and discharge occurs to different degrees in both aquifers, with some interaction between the two. The dynamics are still not fully understood.



Rio Grande Water Conservation District Subdistricts

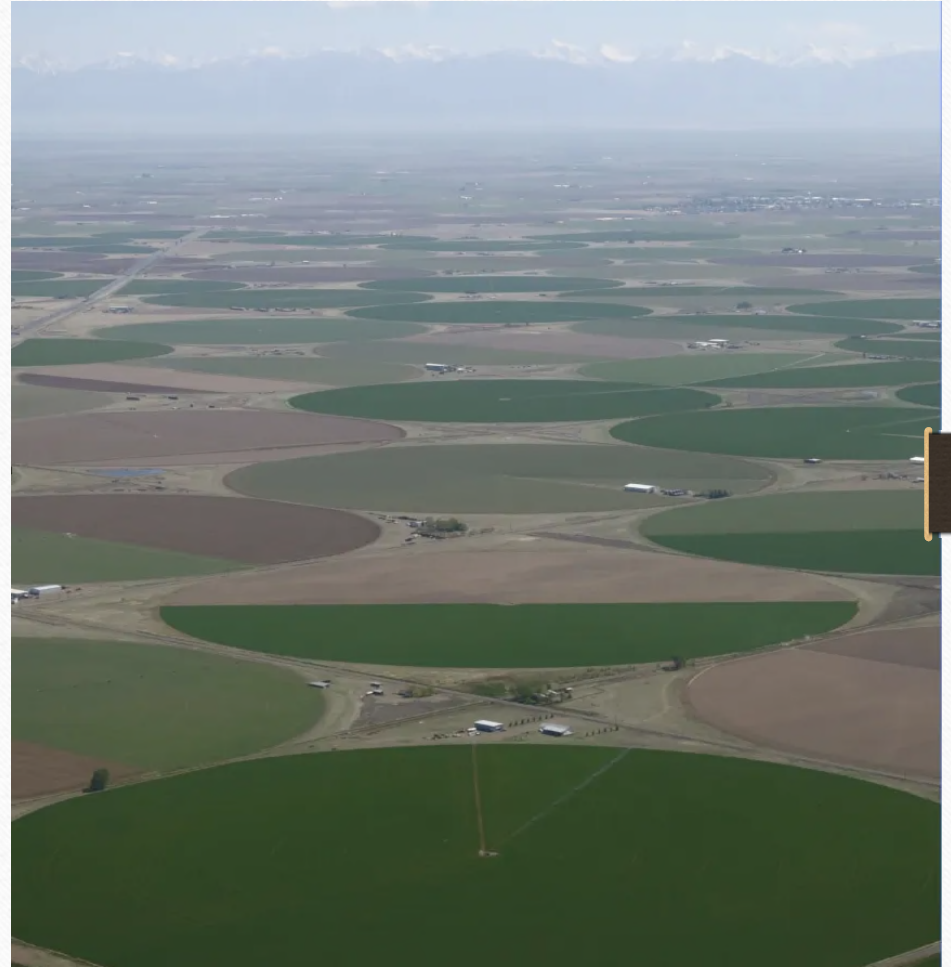


CHANGE IN UNCONFINED AQUIFER STORAGE WEST CENTRAL SAN LUIS VALLEY



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Prepared by Davis Engineering Service, Inc.
For Rio Grande Water Conservation Dist.



Creating a new tool – Groundwater Conservation Easements

- Rather than focusing on land restrictions, focus on limiting groundwater pumping
- Percent reduction in pumping is permanent, but irrigator determines how to best achieve that reduction (not all or nothing)
- Works in partnership with the Rio Grande Water Conservation District to ensure that water is left in aquifer
- Anticipate leveraging funding (\$7.5M secured)



New opportunities through HB21-1233

- Conservation Easement Enhancement and Rural Stimulus Act allows for certain water entities to convey conservation easements and qualify for state tax credits:
 - Water Conservancy Districts
 - Water Conservation Districts
 - Mutual ditch companies and acequias
- Presents an opportunity for collective purchasing of farms/ranches with critical water rights. Ditch may buy, protect and recoup some investment, and then re-sell to irrigator.



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